

EAST SEARCH (FAOM/Paper No.7) 02/20/2002

**09/708,087**

EAST 1.02.0008

SEARCH HISTORY (I) ATTACHED

SEARCH RESULTS (II) ATTACHED

- (1) FRO+KWIC REVIEWED BY EXAMINER
- (2) ALL SECTIONS REVIEWED BY EXAMINER
- (C) CITED ON PTO-892 BY EXAMINER
- (3) CITED ON PTO-1449 BY APPLICANT

	Type	L #	Hits	Search Text	DBs
1	IS&R	L1	337	("359/683").CCLS.	USPAT; US-PGPUB
2	IS&R	L2	276	("359/684").CCLS.	USPAT; US-PGPUB
3	IS&R	L3	92	("359/685").CCLS.	USPAT; US-PGPUB
4	IS&R	L4	297	("359/686").CCLS.	USPAT; US-PGPUB
5	IS&R	L5	295	("359/687").CCLS.	USPAT; US-PGPUB
6	BRS	L6	7084	(zoom or variable\$1foc\$2 or (variable adj foc\$2) or varifocal) adj lens	USPAT; US-PGPUB
7	BRS	L7	13	L6 and (((first adj1 (group or unit)) near2 positive) same ((second adj1 (group or unit)) near2 negative) same ((third adj1 (group or unit)) near2 positive) same ((fourth adj1 (group or unit)) near2 positive))	USPAT; US-PGPUB
8	BRS	L9	3	L7 and ((first adj1 (group or unit)) near4 (fixed or stationary))	USPAT; US-PGPUB
9	BRS	L10	7	L7 and cemented	USPAT; US-PGPUB
10	BRS	L12	462	L6 and olympus.as.	USPAT; US-PGPUB
11	BRS	L13	4	L12 and (((first adj1 (group or unit)) near2 positive) same ((second adj1 (group or unit)) near2 negative) same ((third adj1 (group or unit)) near2 positive) same ((fourth adj1 (group or unit)) near2 positive))	USPAT; US-PGPUB
12	IS&R	L14	1	("6331917").PN.	USPAT; US-PGPUB
13	IS&R	L15	3	((("5189558") or ("5138492") or ("5418646")).PN.	USPAT; US-PGPUB
14	BRS	L16	9	("4859042"   "5189558"   "5231540"   "5414562"   "5418646"   "5546231"   "5644433"   "5754346"   "6016228").PN.	USPAT; US-PGPUB
15	BRS	L17	1737	(zoom or variable\$1foc\$2 or (variable adj foc\$2) or varifocal) adj lens	EPO
16	BRS	L18	4	L17 and (((first adj1 (group or unit)) near2 positive) same ((second adj1 (group or unit)) near2 negative) same ((third adj1 (group or unit)) near2 positive) same ((fourth adj1 (group or unit)) near2 positive))	EPO
17	BRS	L19	10744	(zoom or variable\$1foc\$2 or (variable adj foc\$2) or varifocal) adj lens	JPO; DERWENT
18	BRS	L20	46	L19 and (((first adj1 (group or unit)) near2 positive) same ((second adj1 (group or unit)) near2 negative) same ((third adj1 (group or unit)) near2 positive) same ((fourth adj1 (group or unit)) near2 positive))	JPO; DERWENT
19	BRS	L24	1	L20 and ((first adj1 (group or unit)) near4 (fixed or stationary))	JPO; DERWENT
20	BRS	L26	149	L5 and cemented	USPAT; US-PGPUB
21	BRS	L27	1	L26 and ((first adj1 (group or unit)) near4 (fixed or stationary))	USPAT; US-PGPUB

H  
09/108.087

	1	2	C	3	Document ID	Title ▽	Current OR	Current XRef
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 5296969 A	Zoom lens system having a short total length	359/687	359/684 ; 359/715
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 5313331 A	Zoom lens system having a short total length	359/687	359/708 ; 359/885
3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6331917 B1	Zoom lens system	359/687	
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6239920 B1	Zoom lens system	359/693	359/676 ; 359/687
5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6222681 B1	Zoom lens system	359/693	359/684 ; 359/687
6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6185048 B1	Zoom lens system	359/687	359/683 ; 359/684 ; 359/685
7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6016228 A	Zoom lens system	359/687	359/683 ; 359/684
8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 5644433 A	Zoom lens system	359/687	359/684
9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 20010022696 A1	Zoom lens and photographing apparatus having the same		
10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 5100223 A	Zoom lens	359/683	359/676
11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 4934796 A	Zoom lens	359/683	359/708
12	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 5754346 A	Zoom lens	359/687	
13	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 5414562 A	Zoom lens	359/683	359/676 ; 359/684
14	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 4859042 A	Zoom lens	359/684	359/687
15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 4934796 A	Zoom lens		
16	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	JP 08179212 A	ZOOM LENS		
17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5418646 A	Wide-angle zoom lens system having a high varifocal ratio	359/687	359/708
18	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5189558 A	Vari-focal system having short total length	359/687	359/708
19	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 3796481 A	VARIFOCA LENS SYSTEMS	359/687	
20	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 4848883 A	Telephoto zoom lens system having four lens groups	359/684	359/687
21	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5138492 A	Rear-focus type zoom lens suppressing fluctuation of aberration	359/684	359/708 ; 359/713
22	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6081385 A	Optical system design and production method	359/637	359/554 ; 359/557
23	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 4368954 A	Compact zoom objective	359/686	
24	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 5231540 A	Compact zoom lens system	359/684	359/687 ; 359/708 ; 359/774
25	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 5231540 A	Compact zoom lens system		
26	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 4763998 A	Compact zoom lens	359/687	
27	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 4699474 A	Compact zoom lens	359/683	
28	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 4699474 A	Compact zoom lens		
29	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 4017161 A	Compact zoom lens		
30	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 4653872 A	Athermalized zoom lens system	359/687	

09/708,087